

Figure 1.

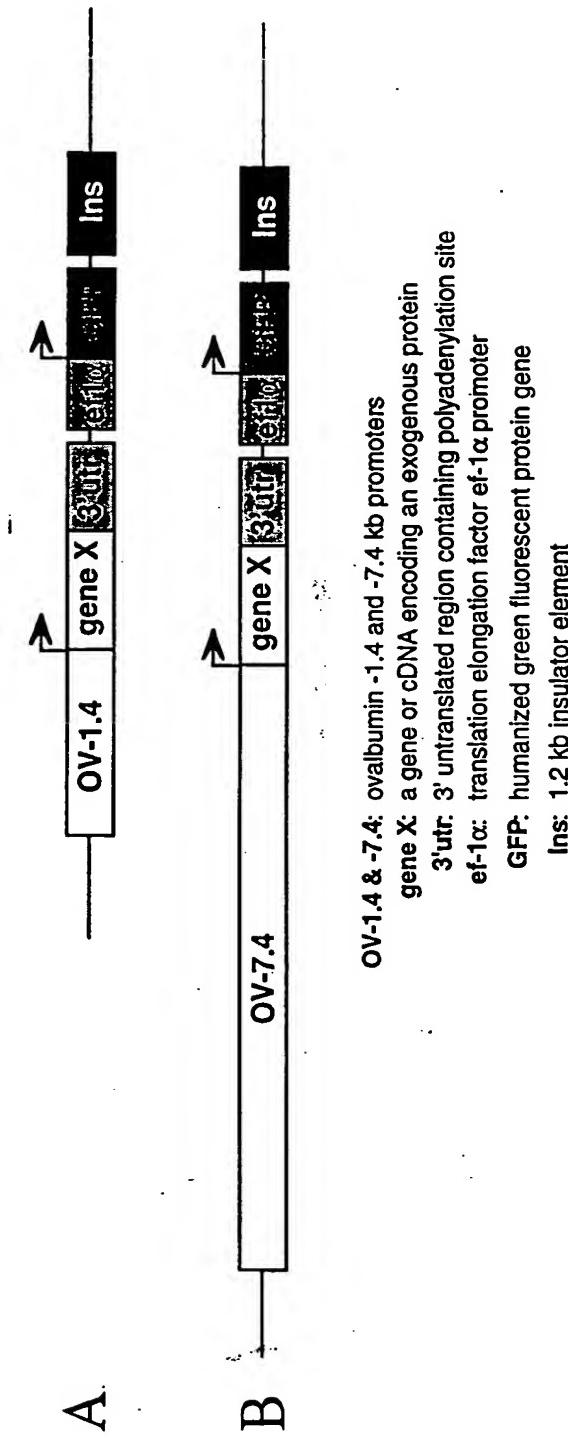
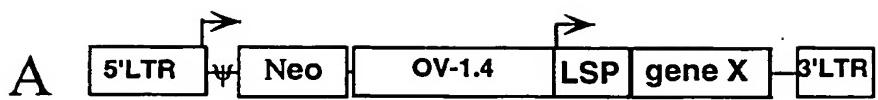
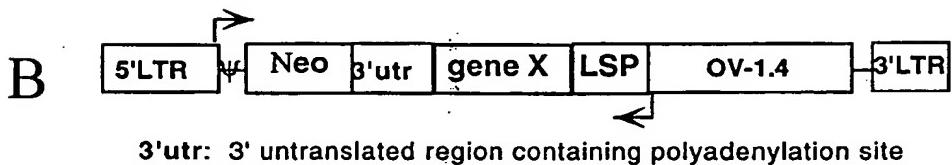


Figure 2.



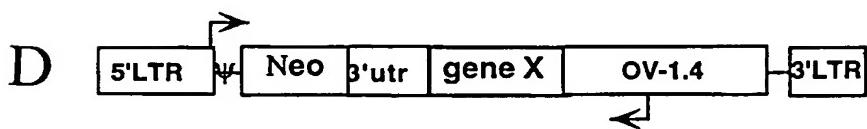
➤ transcription start site
 5' & 3' LTR: ALV long terminal repeats
 Ψ virus packaging signal
 Neo: neomycin-resistance gene
 OV-1.4: ovalbumin -1.4 kb promoter
 LSP: lysozyme signal peptide
 gene X: gene or cDNA encoding an exogenous protein



3'utr: 3' untranslated region containing polyadenylation site

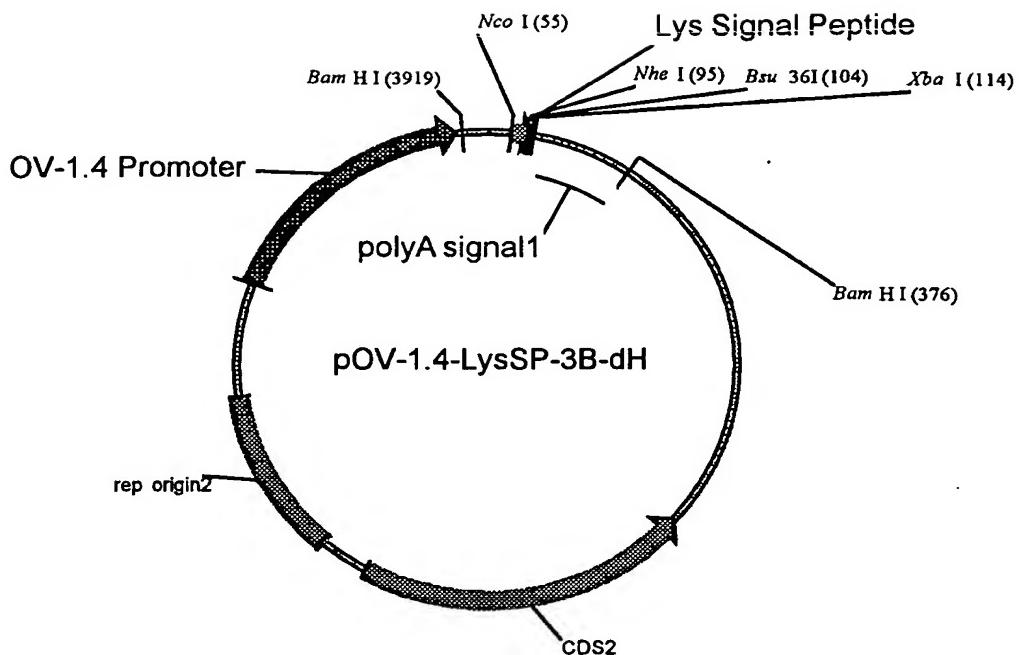


Same vector as A lacking LSP element



Same vector as B lacking LSP element

Figure 2E.



Lysozyme Signal Peptide

$\begin{matrix} M & G & S & L & L & I & L & V & L & C & F & L & P & L & A \\ \text{NcoI} & & & & & & & & & & & & & & & \text{NheI} \end{matrix}$
51 CCACCATGGG GTCTTGCTA ATCTTGGTGC TTTGCTTCCT GCCGCTAGCT GGTGGTACCC CAGAACGAT TAGAACACG AAACGAAGGA CGGCGATCGA
$\begin{matrix} A & L & G \\ \text{Bsu36I} & & \text{XbaI} \end{matrix}$
101 GCCTTAGGGC CCTCTAGAG CGGAATCCCG GGAGATCTC

▼ : Signal peptide cleavage site.

PCR Cloning of cDNA



Figure 2F.



> transcription start site

5' & 3' LTR: ALV long terminal repeats

Ψ virus packaging signal

Neo: neomycin-resistance gene

OV-1.4: ovalbumin -1.4 kb promoter

LSP: lysozyme signal peptide

gene X: gene or cDNA encoding an exogenous protein

gene Y: gene or cDNA encoding an exogenous protein

IRES: internal ribosome entry site

Figure 3.

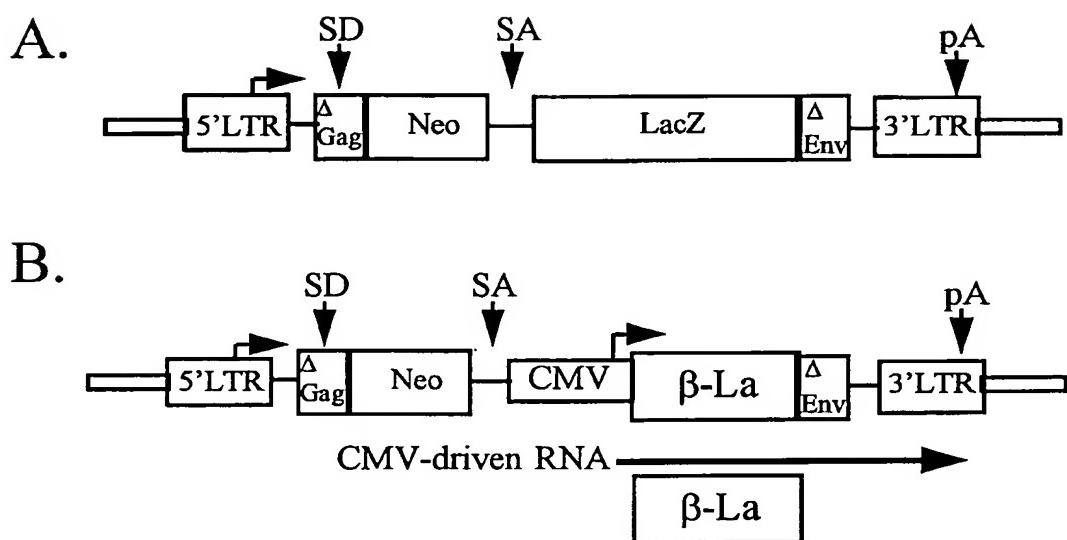


Figure 4.

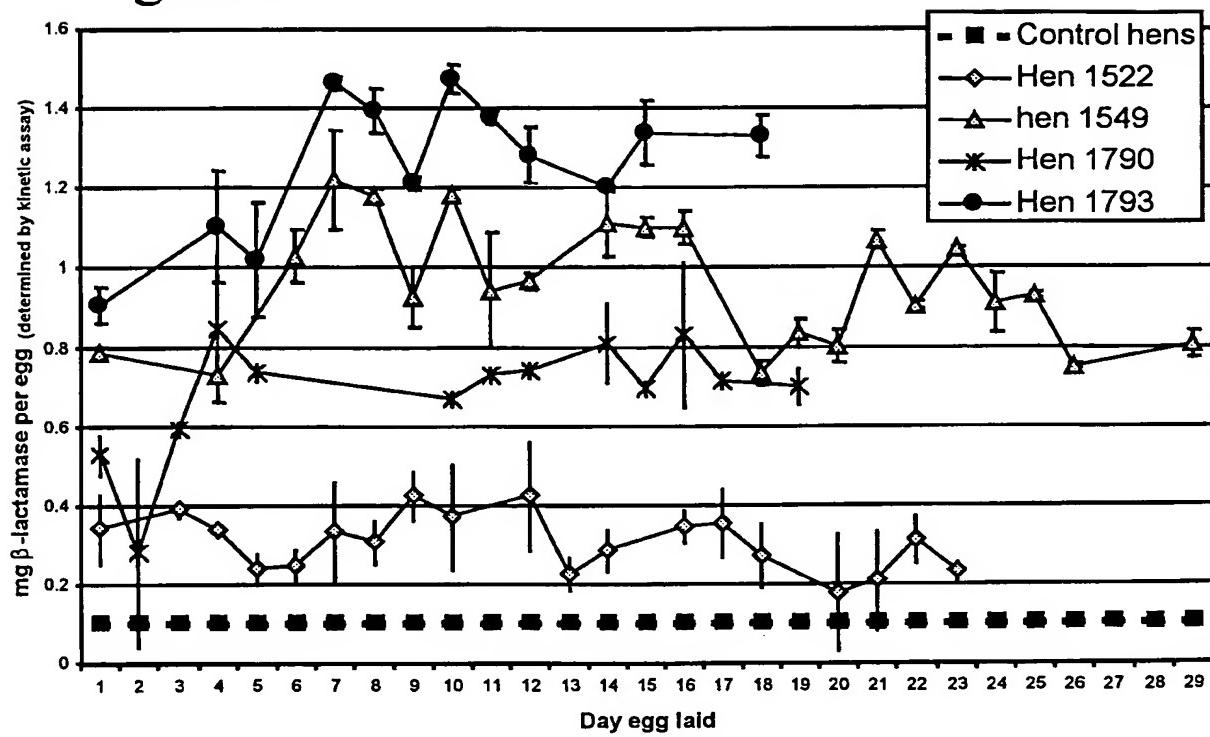


Figure 5.

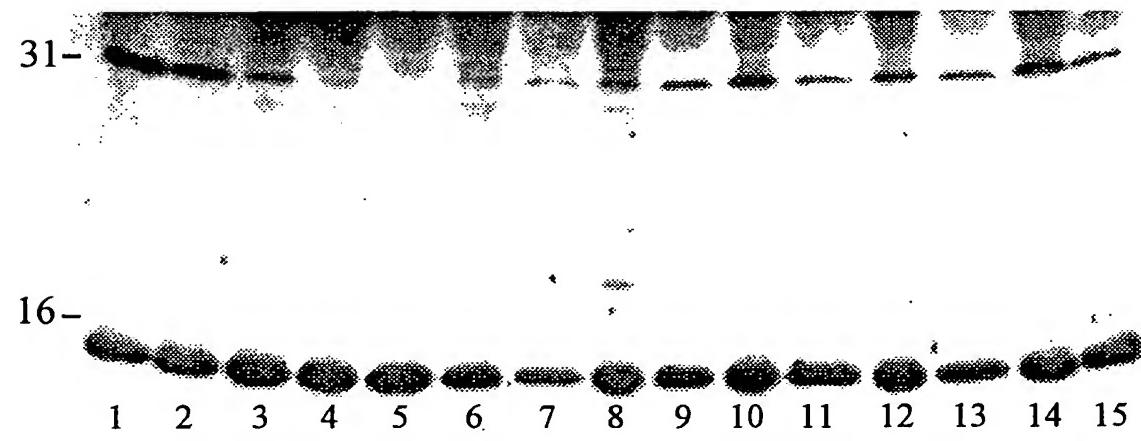
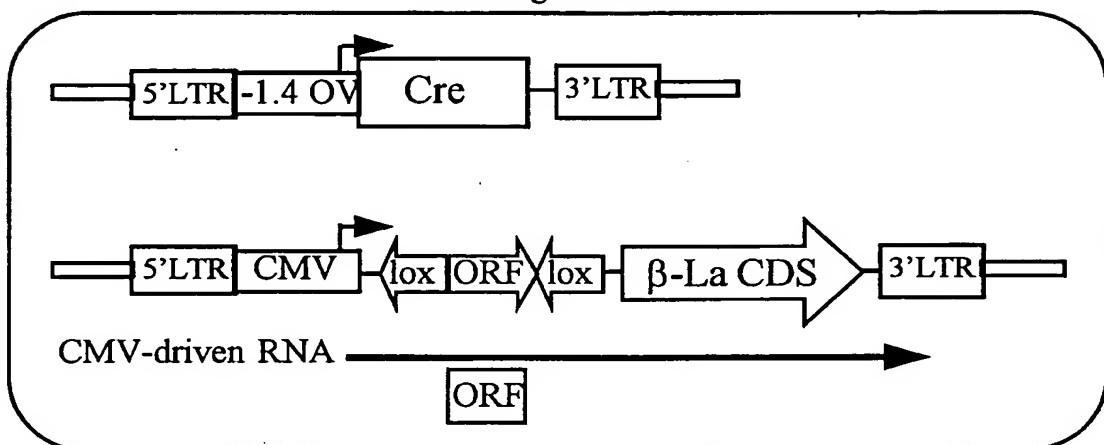


Figure 6.

A.

Non-magnum cell.



B.

Magnum cell.

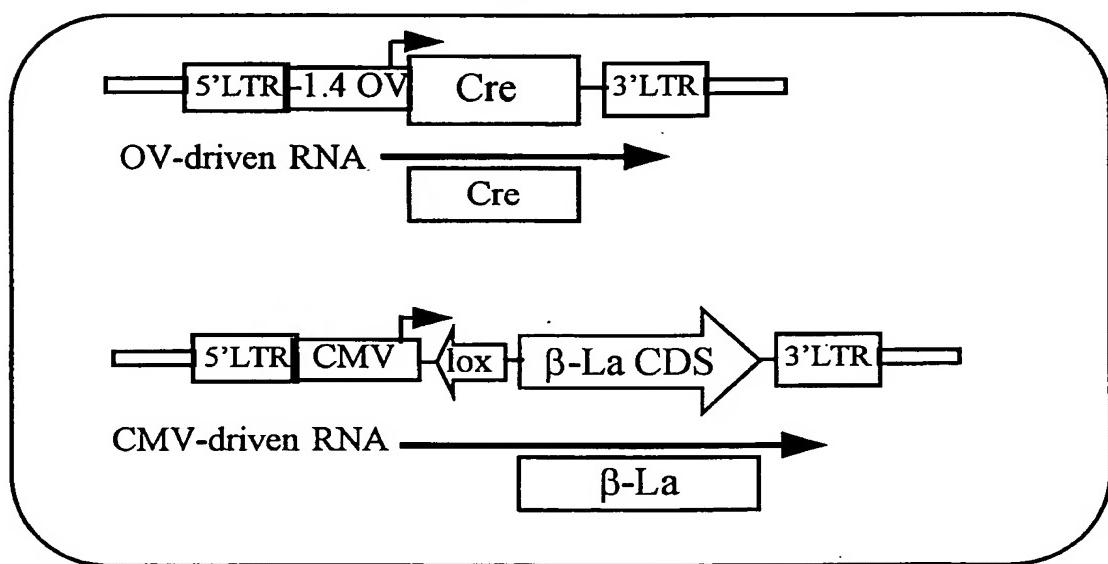


Figure 7.

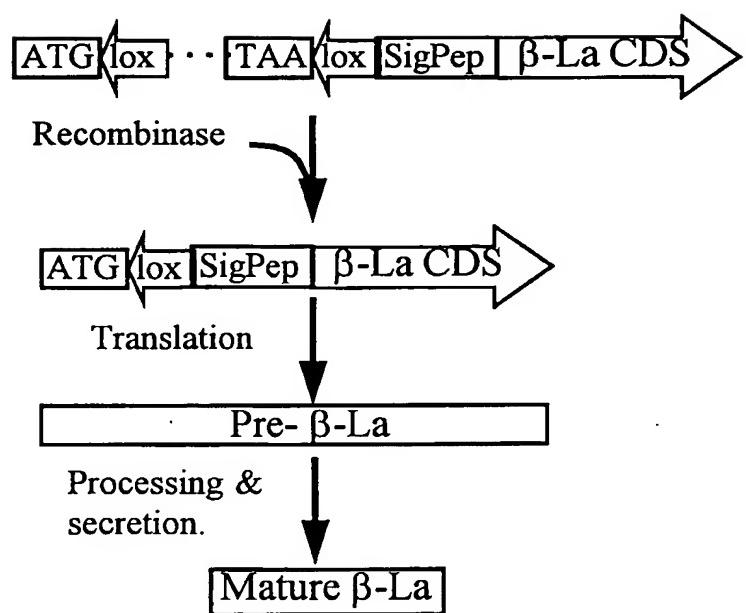


Figure 8A.

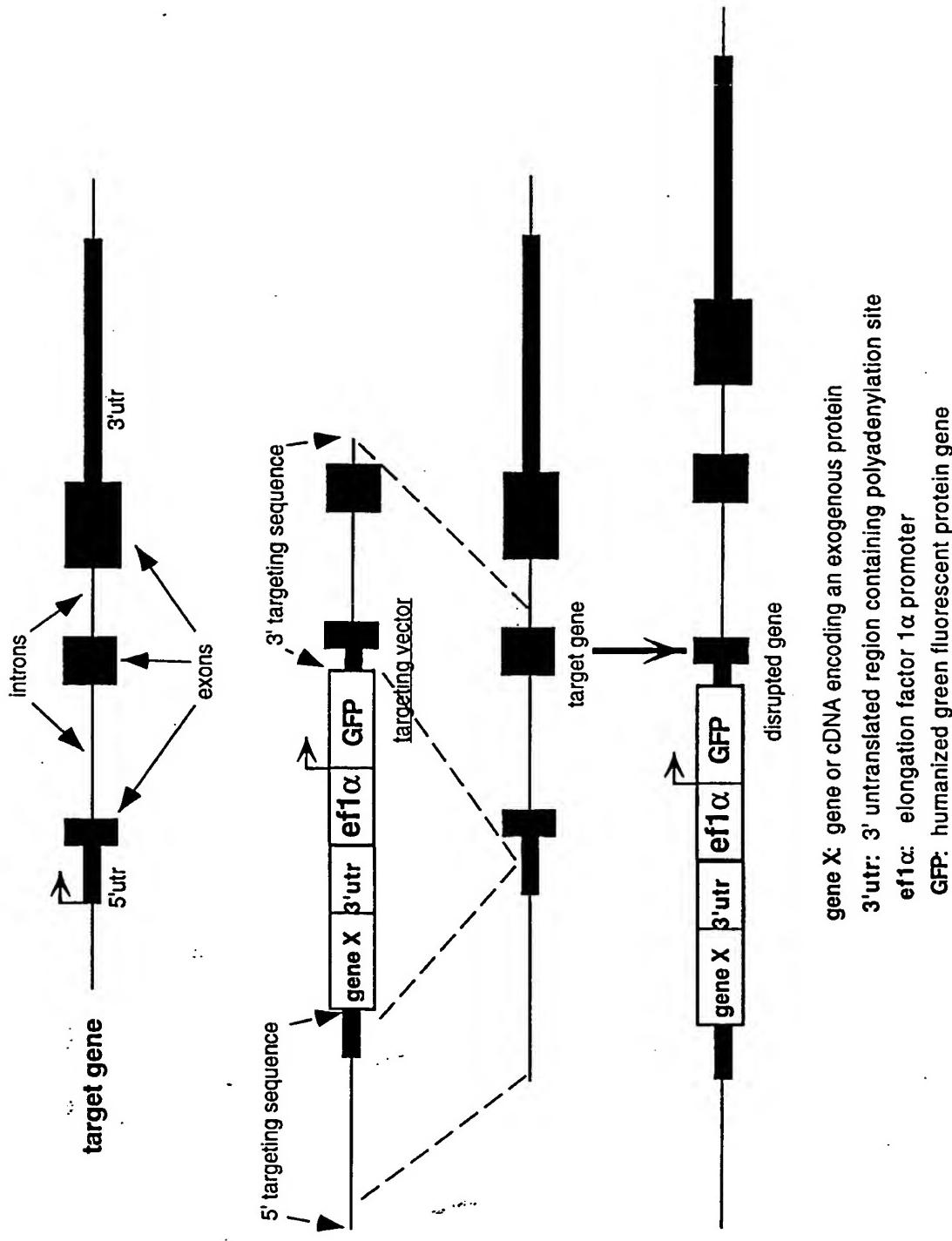


Figure 8B.

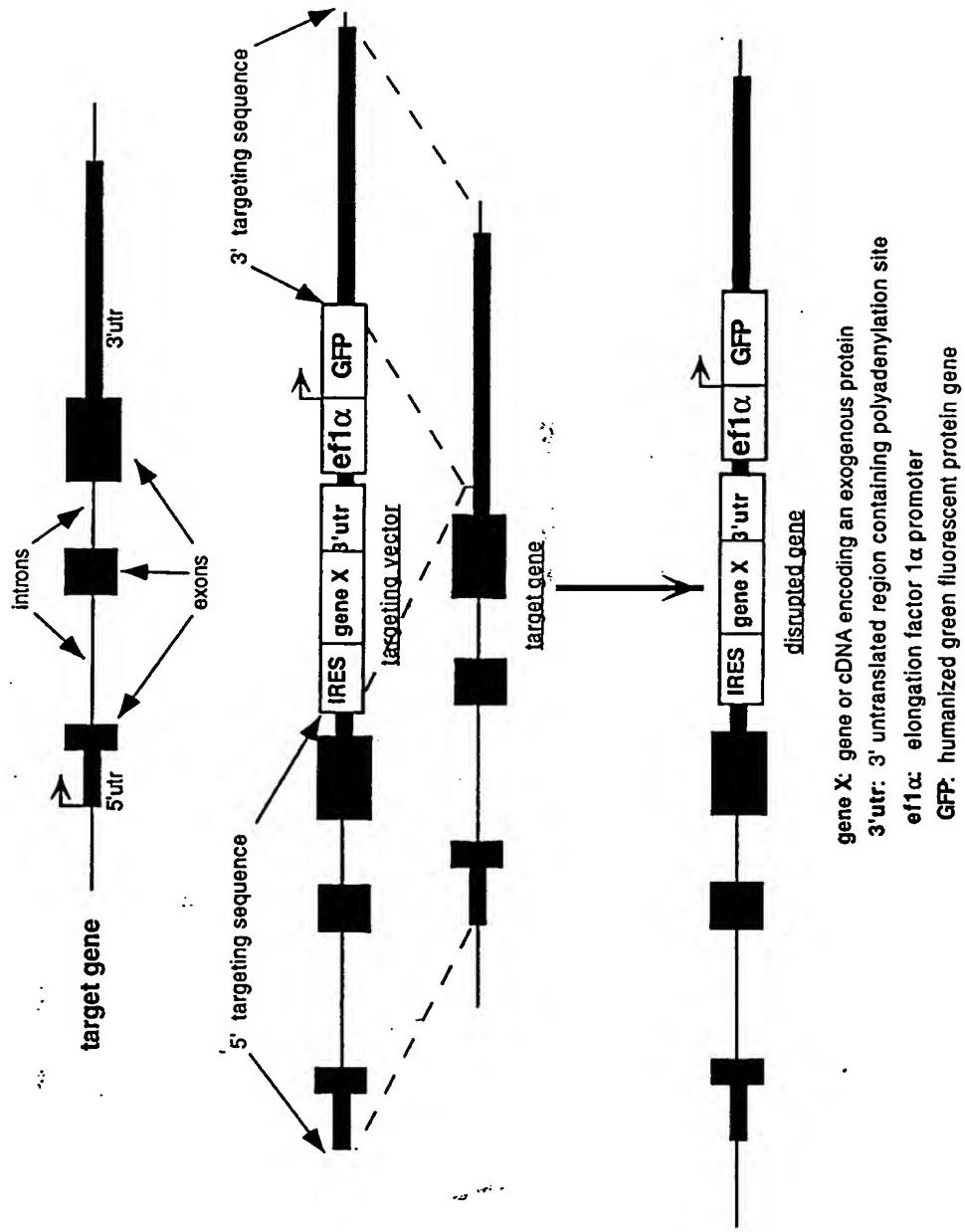


Figure 9.

